

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

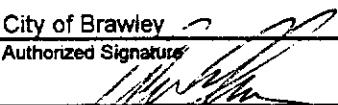
1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name City of Brawley	County Imperial		
Authorized Signature 	Title Engineering Technician II		
Type/Print Name of Person Signing Alan Chan	Date 1/18/02	Phone () Include Area Code (760) 344-5800	
Person Completing This Form (please print or type) Alan Chan	Title Engineering Technician II		
Affiliation: City of Brawley Public Works Department	Engineering Technician II		
Mailing Address 180 S. Western Avenue	City Brawley	State CA	ZIP Code 92227
E-mail address engineer@ivol.net			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
1991	1999

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The activities displayed on this report represent normal business diversion practices within the City of Brawley.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. 16 %	Diversion rate calculated using new generation-based study	b. 62 %
For existing base year pounds/person/day based on generation	5.14	For new generation based study pounds/person/day based on generation	7.602
Residential generation 43 % Non-Residential Generation 57 %		Residential generation 43% % Non-Residential generation 57% %	
Population existing generation-based study	19650	Population new generation-based study	21950

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

Yes. The original base year (1991) was not representative of the City of Brawley business diversion practices. In addition, several City of Brawley diversion programs began after 1991. Also the population of the City of Brawley has increased by 2300 people in 8 years

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

Received diversion information from produce packing sheds, since a large portion of their wasted commodity is not sent to a land fill but used for livestock feeding purposes. Also the City of Brawley has started a Cardboard pick up route.

7. Disposal Tonnage: (enter values)	10360	13732	24,092
Residential			
Please select the ONE choice below that best explains your disposal data and complete the required tables.			
<input checked="" type="checkbox"/> a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)			
<input type="checkbox"/> b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at http://www.ciwmrb.ca.gov/gcentral/forms/rytnmdrq.doc)			
<input type="checkbox"/> c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at http://www.ciwmrb.ca.gov/gcentral/forms/rytnmdrq.doc)			

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested). Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all audit calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.			
Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/ multiple materials in one box)
Please use the Board's program types. The program type glossary is online at http://www.ciwmrb.ca.gov/gcentral/pubs/foodes/reduce.htm	(At total Generation)		
Residential Activities			
Source Reduction			
Backyard composting	61	0.1%	Household grassrecycling
Grassrecycling			9.44 AC * 6.5 Tons = 61.36 Tons
Other Residential source reduction (list each program separately)			City of Brawley Public Works Dept. (COBPWD)
Thrift Shop Donations	8	0.0%	Household donations
Shopping Bag Reuse	8	0.0%	Household shopping bag reuse
Enter program name			30 Lbs * 5476 Homes * 10% / 2000 = 8.214 Tons
Enter program name			1259.48 Homes * 13Lbs / 2000 = 8.18662 Tons
Enter program name			City of Brawley Public Works Dept. (COBPWD)
Subtotal Residential Source Reduction	78	0.1%	
Recycling			
Curbside Recycling			
Buyback centers	617	1.0%	147,703 Tons of Aluminum, 413,968 Tons of Glass
Drop-off centers			Data received from the Department of Conservation
			No data received from the hauler
			N/A

Diversion Activity	Actual tons	Total Generation	Relative Percent to Specific material type(s) (list operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.cwnrc.ca.gov/glossary/gloss.htm	(A)	(At/Final Generation)			
Other Residential recycling <input checked="" type="checkbox"/> (list each program separately)					
Toner and Cartridge Refilling	2	0.0%	From City	200 can/yr * avg of 17.56lbs/2,000 = 1.76 Tons	City of Brawley Public Works Dept. (COBPWD)
Telephone Books	7	0.0%	COB Phone Book recycling	6540 Homes * 2lbs / 2000= 6.54 Tons	City of Brawley Public Works Dept. (COBPWD)
Enter program name					
Enter program name					
Subtotal Residential Recycling	825	1.0%			
Green waste drop-off, Composting					
Curbside green waste.					
Christmas Tree program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	8	0.0%			
Subtotal Residential Diversion	763	1.1%			
Non-Residential Activities:					
Source Reduction:					
Non-Residential Waste Audits*	5	0.0%	See Section 9	See Section 9	See Section 9
Other non-Residential source reduction (list each program separately)					
Grasscycling / Parks	1076	1.7%	Grass from parks	165.5 AC * 6.5 Tons/AC= 1075.75 Tons	City of Brawley Public Works Dept. (COBPWD)
Grasscycling / Schools	136	0.2%	Grass from schools	20.9 AC * 6.5 Tons/AC = 135.85 Tons	City of Brawley Public Works Dept. (COBPWD)
Grasscycling / Cemetery	165	0.3%	Grass from cemetery	25.4 AC * 6.5 Tons/AC = 165.1 Tons	City of Brawley Public Works Dept. (COBPWD)
Grasscycling / Golf course	556	0.9%	Grass from golf course	85.6 AC * 6.5 Tons/AC = 558.4 Tons	City of Brawley Public Works Dept. (COBPWD)
Enter program name					
Subtotal Non-Residential Source Reduction	1938	3.1%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (list operation, w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at http://www.ci.brawley.ca.us/government/codes/reduce.htm	(A)	(Annual Generation)			
Recycling	33853	53.4%	See Section 9	See Section 9	See Section 9
Non-Residential Waste Audits*					
Other non-Residential recycling (list each program separately)					
Cardboard	66	0.1%	City Collection of Card Board and Drop Off		City of Brawley Public Works Dept. (COBPWD)
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	33853	53.4%			
Composting	135	0.2%	See Section 9	See Section 9	See Section 9
Non-Residential Waste Audits*					
Other non-Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	135	0.2%			
Subtotal Non-Residential Diversion	35982	56.7%			
Residential/Non-Residential Diversion Activities					
AD C					
Sludge					
Scrap metal					
Construction and demolition	2650	4.2%	Recycled asphalt	106 truck loads * 25 Tons = 2650 Tons	City of Brawley Public Works Dept. (COBPWD)
Landfill salvage					
Subtotal Residential/Non-Residential diversion	2650	4.2%			
Total Res/Non-Res Source Reduction Tons	20116	3.2%			
Total Diversion Tons	39345	62.9%			
Total Disposal Tons from Sec.7	24032	38.0%			
Total Generation Tons (Dis+Dis)	63427				
Diversion Rate		62%			

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities include material type (e.g. paper recycling, grass/recycling); (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other _____
Packing Shed	1	Feed		25126		25126.02	39.6%	
Packing Shed	2	Feed		7810		7810.125	12.3%	
Grocery	3	OCC, Rendering, Compost, Plastic, Paper, Pallet	1	365	135	500.9806	0.8%	
Rubber	4	Tires		168		168	0.3%	
Drug Store	5	OCC, Pallet	1	100		101.1	0.2%	
Local Press	6	Newsprint, Pallet	2	80		81.92	0.1%	
Hardware	7	OCC, Paper		66		66.04	0.1%	
Grocery	8	Rendering, Paper		55		54.665	0.1%	
Packing Shed	9	Feed		57		56.5002	0.1%	
Restraint	10	Rendering		27		26.65	0.0%	
		Totals		4.02	33853.1188	134.862	33992.0008	53.6%

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

1. Packing shed:{Feed}: (4.187.67 * 6 weeks = 25,126.02 Tons/Yr). Calculations (673,000 cartons packed with 3.7335% loss per each carton) Talked to Frank by phone.
2. Packing shed:{Feed}: (1.562.025 * 5 months = 7,810.125 Tons/Yr). Calculations (8,6779 tons per load with 6 trips a day and 30 days a month running for 5 months) Talked to Tim by phone.
3. Grocery:{OCC, Rendering, Compost, Plastic, Paper, Pallet}: (OCC=5, 187 Tons * 52 Weeks = 269,724 Tons/Yr), (Rendering= 5005 Tons * 52 Weeks = 26,026 Tons/Yr), (Compost=2,5934 Tons * 52 Weeks = 134,862 Tons/Yr), (Plastic=.1183 Tons * 52 Weeks = 6,1516 Tons/Yr), (Paper=1,215 Tons * 52 Weeks = 63,18 tons/Yr), (Pallet = 1.1 ton of pallets used as rotational) Information obtained by Email from Roger Vander Wende
4. Rubber:{Tires}: (Tires =3,230,923,076 Tons * 52 Weeks = 168 Tons/Yr). Walk in and talked with Miguel.
5. Drug Store:{OCC, Pallet}: (OCC=1,925 Tons * 52 Weeks = 100.1 Tons/Yr), (Pallet=1 ton of pallets used as rotational) Talked to store manager by Phone.
6. Local Press:{Newsprint, Pallet}: (Newsprint=1,53846,153846 Tons * 52 Weeks = 80 Tons/Yr), (Pallet=1,92 tons of pallets used as rotational) Talked to Paul York.
7. Hardware:{OCC, Paper}: (OCC=1,25 Tons * 52 Weeks = 65 Tons/Yr), (Paper=.02 Tons * 52 Weeks = 1.04 Tons/Yr). Talked to store manager by phone.
8. Grocery:{Rendering, Paper}: (Rendering=1,04625 Tons * 52 Weeks = 54,405 Tons/Yr), (Paper=005 Tons * 52 Weeks = .26 Tons/Yr) Talked with store manager by phone.
9. Packing Shed:{Feed}: (9,416.7 * 6 months = 56,5002 Tons/Yr). Calculations (.31389 tons per day run 30 days a month for 6 months) Talked to Rex by phone.
10. Restraint:{Rendering}: (Rendering=5,125 Tons * 52 Weeks = 26,65 Tons/Yr). Talked with Albert by phone.

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concreter, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids	▼ Diversion Conducted By City Public Works Department Asphalt grinding	1999	2650
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

_____ (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			

Business Audit Diversion for the City of Brawley

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Tons
1	Produce Shipper	Recycling	Produce	673,000 cartons packed out with 3.7335% loss per carton	25126.02
2	Produce Shipper	Recycling	Produce	8.6779 Tons per load with 6 trips a day for 30 days running for 5 months	7810.125
3	Grocery Store	Recycling	OCC, Renderings, White Paper, Plastic	Amount from Roger Vander Vende.	365.0186
		Composting	Food	Amount from Roger Vander Vende.	134.862
		Reuse	Pallets	Amount from Roger Vander Vende.	1.1
4	Rubber Recycler	Recycling	Tires	19 tons an average month high times and 7 tons an average month on low times. Give an average of 168 Tons a year.	168
5	Drug Store	Recycling	OCC	OCC is average of 1,925 Tons a week * 52 weeks a year	100.1
		Reuse	Pallets	1 ton of pallets used as rotational	1
6	Local Press	Recycling	Newsprint	11,538461533846 tons a week * 52 weeks	80
		Reuse	Pallets	2 tons of pallets used as rotational	1.92
7	Hardware Store	Recycling	OCC, White Paper	1.25 tons of cardboard a week and .02 tons of paper a week	66.04
8	Grocery Store	Recycling	Renderings, Paper	1,04625 tons of renderings a week and .005 tons of paper a week	54.665
9	Produce Shipper	Recycling	Produce	9.4167 tons a month for 6 months	56.5002
10	Restaurant	Recycling	Rendering	.5125 Tons of old cooking oil per week * 52 weeks	26.65
11	Restaurant	Recycling	Rendering	.5125 Tons a week * 52	26.65

Board Meeting June 18-19, 2002

Attachment 9

Attachment 2A